

**Summary of integrative structure determination of Integrative structure of the human MHM complex (PDB ID: 9A2A | pdb\_00009a2a, PDB-Dev ID: PDBDEV\_00000152 )**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- MTA1: chain(s) A, B (431 residues)</li> <li>- HDAC1: chain(s) C, D (482 residues)</li> <li>- MBD3: chain(s) E, F (291 residues)</li> <li>- P66A: chain(s) G, H (633 residues)</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB: <a href="#">pdb_00002fvu</a></li> <li>- Comparative model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00004bkx</a></li> <li>- De Novo model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00002gat</a></li> <li>- Comparative model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Comparative model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- De Novo model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Comparative model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00006cc8</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00002i2l</a></li> <li>- Experimental model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Experimental model, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Crosslinking-MS data, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- Crosslinking-MS data, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> <li>- 3DEM volume, EMDB: <a href="#">EMD-21382</a></li> <li>- 3DEM volume, Zenodo: <a href="#">10.5281/zenodo.6674232</a></li> </ul>
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Multiscale: Coarse-grained: 1 - 30 residue(s) per bead
<a href="#">2.3. Number of rigid and flexible segments</a>	16, 14
<b>3. Restraints</b>	
<a href="#">3.1. Physical principles</a>	Information about physical principles was not provided
<a href="#">3.2. Experimental data</a>	<ul style="list-style-type: none"> <li>- 1 unique CrossLinkRestraint: BS3, 283 crosslinks</li> <li>- 1 unique CrossLinkRestraint: BS3, 135 crosslinks</li> <li>- 1 unique EM3DRestraint: Gaussian mixture models</li> </ul>
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	1
<a href="#">4.3. Number of models in ensembles</a>	28451
<a href="#">4.4. Number of deposited models</a>	1
<a href="#">4.5. Model precision</a>	28.00, Å

<a href="#">4.6. Data quality</a>	EMD-21382: resolution is 29.00 Å
<a href="#">4.7. Model quality: assessment of excluded volume</a>	Satisfaction: 99.73%
<a href="#">4.8. Fit to data used for modeling</a>	Satisfaction of crosslinks: 49.28%
<a href="#">4.9. Fit to data used for validation</a>	Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
1. <a href="#">5.1. Method name</a>	Sampling
<a href="#">5.2. Method type</a>	Replica exchange monte carlo
<a href="#">5.4. Number of computed models</a>	600000
<a href="#">5.5. Software</a>	<ul style="list-style-type: none"> <li>- <a href="#">IMP PMI module</a> (version 2.16.0)</li> <li>- <a href="#">Integrative Modeling Platform (IMP)</a> (version 2.16.0)</li> </ul>